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(12) **United States Patent**
Nagasawa et al.(10) **Patent No.:** **US 9,510,593 B2**
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See application file for complete search history.

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(58) **Field of Classification Search**

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(56)

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(57)

ABSTRACT

The present invention is directed to methods for enhancing root growth comprising applying a S-Benzylthiouracil compound, or a salt thereof, to a plant, plant propagation material, root zone, or root of a plant. The invention also relates to methods for reducing the harmful effects of environmentally stressful conditions on plants, such as drought, or intense temperatures, by application of a S-Benzylthiouracil compound, or a salt thereof, to a plant, plant propagation material, root zone, or root of a plant. The invention further relates to new S-Benzylthiouracil derivatives, and salts thereof.

13 Claims, No Drawings